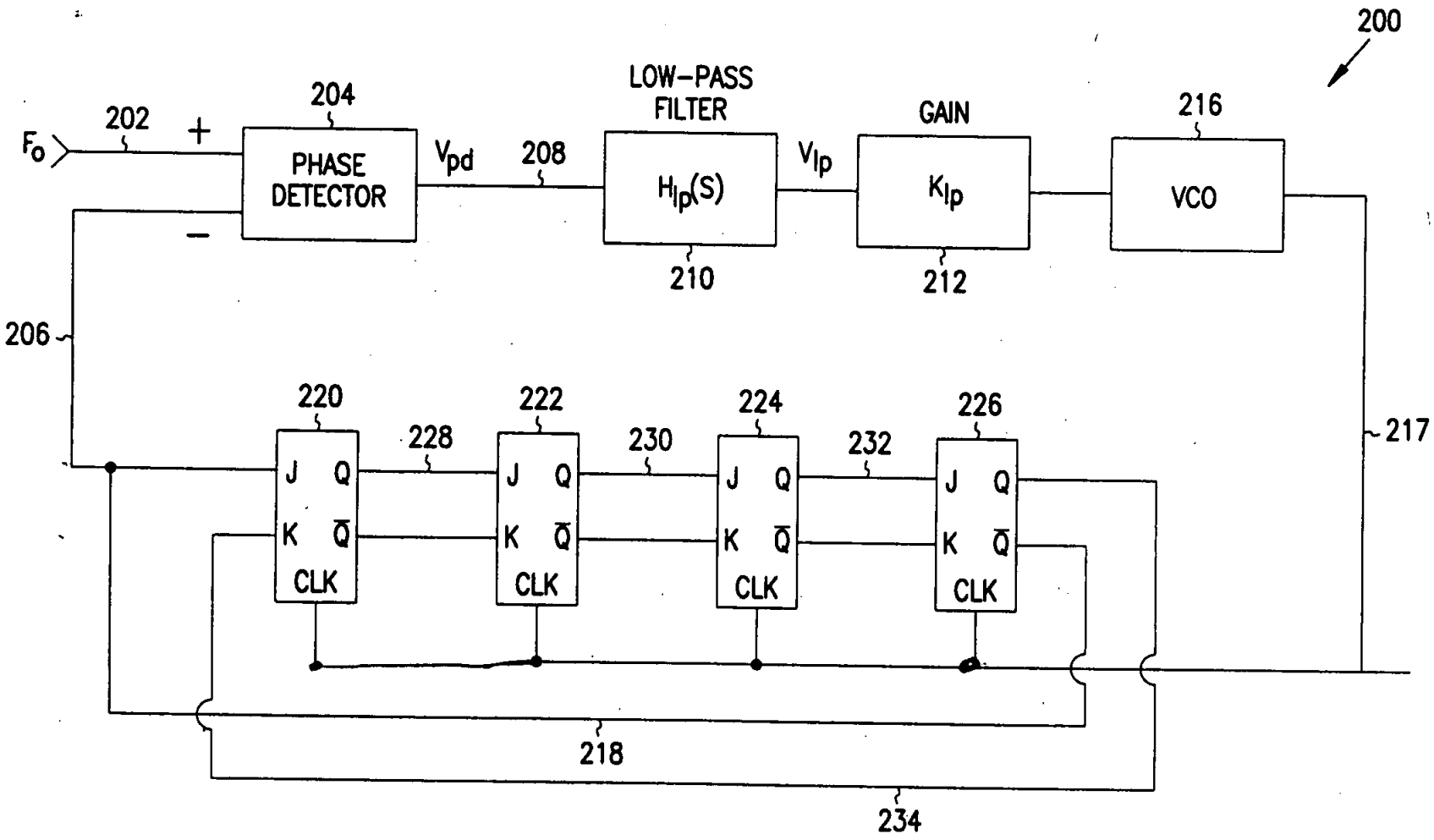
200
202
204
PHASE DETECTOR
F_o
+
−
V_{pd}
208
LOW-PASS FILTER
$H_{lp}(S)$
210
V_{lp}
GAIN
K_{lp}
212
216
VCO
217
206
220
222
224
226
228
230
232
J Q
K $\bar{Q}$
CLK
218
234

FIG. 2